



PATENT APPLICATION
Docket No: 11023.4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)

Darko Segota and John W. Finnegan, II)

Serial No.: 10/600,922)

Filed: June 19, 2003)

For: METHOD AND SYSTEM FOR REGULATING)
FLUID FLOW OVER AN AIRFOIL OR A)
HYDROFOIL)

CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence and the documents listed below are being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on Sept. 18, 2003, 2003.

Christopher L. Johnson
Attorney for Applicant
Registration No. 46,809

Transmitted: Transmittal for Information Disclosure Statement
Information Disclosure Statement
Form PTO-1449 Listing of All References
Legible Copies of All Listed References
Postcard

CLJ:jrj



CHRISTOPHER A. JOHNSON
REGISTERED PATENT ATTORNEY

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PATENT APPLICATION
Docket No: 11023.4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
TRANSMITTAL FOR INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing and pursuant to 37 C.F.R. § 1.97 is an Information Disclosure Statement. Enclosed also are the following designated documents, as required under 37 C.F.R. §§ 1.97 and 1.98:

- Form PTO-1449 list of fifty-seven (57) references submitted for consideration.
- Legible copies of the listed references or their relevant portions.
- All English translations of each nonenglish reference, if any, within the possession, custody, control or availability of anyone designated in 37 C.F.R. § 1.56(c) (see 37 C.F.R. § 1.98(c)).

The following are included within the Information Disclosure Statement if applicable and as required under 37 C.F.R. § 1.98:

- Concise explanation of relevance of each reference not in English and unaccompanied by an English translation.
- Statement that certain listed references not enclosed are substantially cumulative of an enclosed reference.

Statement that certain listed references not enclosed were previously cited by or submitted to the Office in the identified prior application which is relied upon for an earlier filing date under 35 U.S.C. § 120.

In order to secure consideration of the items designated above, one or more of the following, if required, is also enclosed:

 Promptness Certification.

 Check No. _____ in the amount of \$ _____ constituting submission fee -- see 37 C.F.R. § 1.17(p)

 Petition for Consideration and Check No. _____ in the amount of \$ _____ -- see 37 C.F.R. § 1.17(i)(1).

X In the event that 37 C.F.R. § 1.97(c) applies and the Examiner is not satisfied that the Promptness Certification meets the requirements of 37 C.F.R. § 1.97(e), or in any other event remediable by a fee, please credit any over payment or charge any additional fees to Deposit Account No. 500843 of the undersigned.

DATED this 18TH day of September 2003.

Respectfully submitted,



Christopher L. Johnson
Attorney for Applicant
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PATENT APPLICATION
Docket No: 11023.4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Darko Segota and John W. Finnegan, II

Serial No.:

10/600,922

Filed:

June 19, 2003

For:

METHOD AND SYSTEM FOR REGULATING
FLUID FLOW OVER AN AIRFOIL OR A
HYDROFOIL

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which

the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

Please credit any over payment or charge any additional fees to Deposit Account No. 500843 of the undersigned.

Dated this 18th day of September, 2003.

Respectfully submitted,



Christopher L. Johnson
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Registration No. 46,809

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CLJ:jrj



Applicant: Darko Sepe and John W. Finnegan, II Att'y Docket No. 11023.4
 Serial No.: 10/600,922 Filing Date: June 19, 2003
 For: METHOD AND SYSTEM FOR REGULATING FLUID FLOW OVER AN AIRFOIL OR A HYDROFOIL

U.S. Patent Application Publication Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Publ. Date</u>	<u>Name</u>	<u>Class</u>	<u>Sub Class</u>	<u>Filing Date</u>
_____ A1.	2001/0004835	06/28/01	Alkabie et al.	60	757	11/29/00
_____ A2.	2001/0053817	12/20/01	Anayama et al.	525	107	03/20/01

U.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Issue/Publ. Date</u>	<u>Name</u>	<u>Class</u>	<u>Sub Class</u>	<u>Filing Date</u>
_____ A3.	3,056,277	10/02/62	Brenner	73	23	03/05/59
_____ A4.	4,171,785	10/23/79	Isenberg	244	123	06/30/77
_____ A5.	4,228,943	10/21/80	Tanabe et al.	228	182	07/05/78
_____ A6.	4,449,211	05/15/84	Schmidt et al.	367	153	07/06/82
_____ A7.	4,619,423	10/28/86	Holmes et al.	244	130	11/10/83
_____ A8.	4,668,443	05/26/87	Rye	261	112	11/25/85
_____ A9.	4,699,340	10/13/87	Rethorst	244	199	06/13/85
_____ A10.	4,813,631	03/21/89	Gratzer	244	35	11/02/85

Examiner:

Date Considered:

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Applicant: Darrin Segota and John W. Finnegan, II Att'y Docket No. 11023.4
 Serial No.: 10/600,922 Filing Date: June 19, 2003
 For: METHOD AND SYSTEM FOR REGULATING FLUID FLOW OVER AN AIRFOIL OR A HYDROFOIL

A11.	4,851,071	07/25/89	Gallimore	156	344	07/22/88
A12.	4,872,484	10/10/89	Hickey	137	561 R	12/12/88
A13.	4,974,633	12/04/90	Hickey	137	561 R	12/19/89
A14.	5,144,099	09/01/92	Cardy	174	66	07/17/90
A15.	5,316,032	05/31/94	DeCoux	137	14	08/27/93
A16.	5,590,854	01/07/97	Shatz	244	206	11/02/94
A17.	5,718,539	02/17/98	Segota	406	61	11/13/95
A18.	5,810,249	09/22/98	Nilsson	239	2.2	06/07/95
A19.	5,863,155	01/26/99	Segota	406	61	05/19/95
A20.	6,180,536	01/30/01	Chong et al.	438	745	06/04/98
A21.	6,202,304	03/20/01	Shatz	29	896.6	01/07/97
A22.	6,263,745	07/24/01	Buchanan et al.	73	865.5	12/03/99
A23.	6,357,307	03/19/02	Buchanan et al.	73	865.5	07/20/01

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Date Considered:

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Applicant: Darko Segota and John W. Finnegan, II Att'y Docket No. 11023.4
Serial No.: 10/600,922 Filing Date: June 19, 2003
For: METHOD AND SYSTEM FOR REGULATING FLUID FLOW OVER AN AIRFOIL OR A HYDROFOIL

Other Documents

(including author (if listed), title, relevant pages, date of publication including at least month and year).

Examiner
Initial*

A24. Aerodynamic DRAG; <file:///E:/STUDY/Aerodynamic%20Drag%20at%20High%20Speeds.htm>; 9 pgs; June 6, 2003.

A25. Aerodynamics of Wind Turbines: Drag; <http://www.windpower.org/en/tour/wtrb/drag.htm>; 4 pgs; September 12, 2003.

A26. Airfoils and Lift; <http://www.aviation-history.com/theory/airfoil.htm>; 2 pgs; September 12, 2003.

A27. Bernoulli Equation; <file:///E:/STUDY/Pressure.htm>; 6 pgs; June 6, 2003.

A28. Boundary layer and turbulence modeling: a persona; perspective; R.A. Brown; 10 pgs; March 20, 1995.

A29. Boundary Layer Control; <http://www.aerodyn.org/Drag/blc.html>; 4 pgs; September 12, 2003.

A30. Boundary-Layer Separation; <http://www.ma.man.ac.uk/~ruban/blsep.html>; 4 pgs; September 12, 2003.

A31. Boundary layer and turbulence modeling: a persona; perspective; <http://www.atmos.washington.edu/~rabrown/amspblt6.html>; 8 pgs; June 4, 2003.

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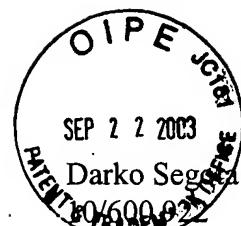
Date Considered:

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Applicant: Darko Segusa and John W. Finnegan, II

Serial No.:

For:



Att'y Docket No. 11023.4

Filing Date: June 19, 2003

METHOD AND SYSTEM FOR REGULATING FLUID FLOW OVER AN AIRFOIL OR A HYDROFOIL

_____ A32. Bubble Plumes and the Coanda; <http://66.218.71.225/search/cache?p=coanda+experiments&ei=UTF-8&xargs=0&b=21&url=...>; 6 pgs; May 22, 2003.

_____ A33. Chapter 6: Aerodynamics; <http://www.scitoys.com/scitoys/scitoys/aero/aero.html>; 10 pgs; May 22, 2003.

_____ A34. Coanda Effect: Understanding Why Wings Work; http://www.jefraskin.com/forjef2/jefweb-compiled/published/coanda_effect.html; 21 pgs; May 22, 2003.

_____ A35. The Coanda Effect; <http://jnaudin.free.fr/html/coanda.htm>; 3 pgs; May 22, 2003.

_____ A36. The Coanda Saucer or the “Repulsin type A” test; <http://jnaudin.free.fr/html/repcotst.htm>; 6 pgs; May 22, 2003.

_____ A37. The Continuity Equation, the Reynolds Number, the Froude Number; file:///E:/STUDY\88_06_04&20The%20Continuity%20Equation,%20the%20Reynolds%20Nu...; 10 pgs; June 6, 2003.

_____ A38. Deltawing; <http://www.aero.hut.fi/Englanniksi>; 1 pg.

_____ A39. Drag of Blunt Bodies and Streamlined Bodies; http://www.princeton.edu/~asmits/Bicycle_web/blunt.html; 4 pgs; September 12, 2003.

_____ A40. The effects of quadratic drag on the inverse cascade of two-dimensional turbulence; N. Grianik, I. Held, K.S. Smith, and G.K. Vallis; 16 pgs; July 2002.

_____ A41. Henri Coanda; <http://www.deltawing.go.ro/history/coanda.htm>; 3 pgs; May 22, 2003.

_____ A42. Henri Coanda Romanian Scientist (1886-1972); <http://romania-on-line.net/halloffame/CoandaHenri.htm>; 3 pgs; May 22, 2003.

Examiner:

Date Considered:

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Applicant: Marko Sestra and John W. Finnegan, II
Serial No.: 10/600,922
For: METHOD AND SYSTEM FOR REGULATING AN AIRFOIL OR A HYDROFOIL

Att'y Docket No. 11023.4
Filing Date: June 19, 2003

_____ A43. Henri Marie Coanda; <http://www.allstar.fiu.edu/aero/coanda.htm>; 5 pgs; May 22, 2003

_____ A44. History of The “Coanda Effect”;
<http://www.geocities.com/ResearchTriangle/Lab/1135/coanda.htm>; 13 pgs; May 22, 2003.

_____ A45. Lift, Thrust, Weight, and Drag; <http://www.av8n.com/how/htm/4forces.html>; 9 pgs; June 4, 2003.

_____ A46. M.E. Research Page; <file:///E:/STUDY/fish%20separation.htm>; 4 pgs; June 6, 2003.

_____ A47. MicroCluster Water; http://www.aquatechnology.net/Microcluster_water.html; 7 pgs; May 22, 2003.

_____ A48. Misinterpretations of Bernoulli’s Law; <http://www.rz.uni-frankfurt.de/~weltner/Mis6/mis6.html>; 11 pgs; September 12, 2003.

_____ A49. A Physical Description of Flight;
<http://www.aa.washington.edu/faculty/eberhardt/lift.htm>; 15 pgs; September 12, 2003.

_____ A50. Post-processing of wake survey data from wind tunnel tests;
<http://www.nlr.nl/public/facilities/f217-01/>; 5 pgs; June 4, 2003.

_____ A51. Pressure; <file:///E:/STUDY\Pressure7.htm>; 3 pgs; June 6, 2003.

_____ A52. Pressure Patterns on the Airfoil;
http://www.dynamicflight.com/aerodynamics/pres_patterns/; 2 pgs; September 12, 2003.

_____ A53. The Schauerberger’s Flying Saucer; <http://jnaudin.free.fr/html/repulsin.htm>; 7 pgs; May 22, 2003.

Examiner:

Date Considered:

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Applicant: Darko Segeta and John W. Finnegan, II

Att'y Docket No. 11023.4

Serial No.: 10/600,922

Filing Date: June 19, 2003

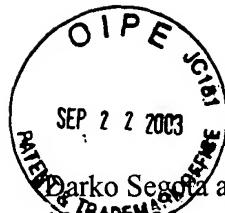
For: METHOD AND SYSTEM FOR REGULATING FLUID FLOW OVER AN AIRFOIL OR A HYDROFOIL

- A54. Separation on a Free Surface; <http://www.maths.cam.ac.uk/CASM/essays/abstracts/node84.html>; 2 pgs; September 12, 2003.
- A55. Similarity Parameters; <http://www.lerc.nasa.gov/WWW/K-12/airplane/airsim.html>; 3 pgs; September 12, 2003.
- A56. Using the Coanda Effect; <http://www.aardvark.co.nz/pjet/coanda.shtml>; 3 pgs; May 22, 2003.
- A57. Virtual Experiments on Drag Reduction; Vladimir Kudriavtsev and M. Jack Braun; 48th Annual Conference of Canadian Aeronautics and Space Institute (CASI), 8th Aerodynamics Section Symposium, Toronto, Canada; 6 pgs; April 29-May 2, 2001.

Examiner:

Date Considered:

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Applicant: Marko Segota and John W. Finnegan, II
Serial No.: 10/6605/22
For: METHOD AND SYSTEM FOR REGULATING FLUID FLOW OVER AN AIRFOIL OR A HYDROFOIL

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Prior Art Cited by Applicants

While the filing of prior art statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper prior art statement, Form PTO-1449 shall be accompanied by an explanation of relevance of each listed item, a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all prior art citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as prior art cited by the Examiner on Form PTO-892.

The reference designations "A1", "A2", etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A", "B", "C", etc. on Office Action Form PTO-1142.

::ODMA\PCDOCS\DOCS\706605\

Examiner:

Date Considered:

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